

CALIFORNIA DEPARTMENT OF TRANSPORTATION

STORM WATER MANAGEMENT PROGRAM

REGIONAL WORK PLAN 2005/2006



District 4

San Francisco Region 2

Water Quality Control Board

CTSW-RT-05-132-16.1

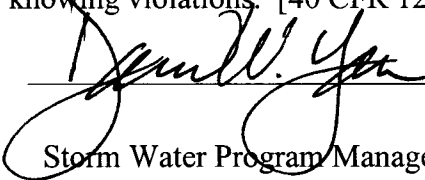
April 1, 2005



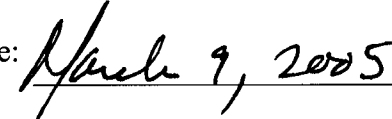
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State of California Department of Transportation
District 4 Certification
Regional Work Plan 2005-2006
California Regional Water Quality Control Board
San Francisco Region 2

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]



Storm Water Program Manager

Date: 

Department District 4

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1.0 INTRODUCTION

The purpose of the Regional Work Plans (RWPs) is to describe how the Department will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board (RWQCB) during Fiscal Year 2005/2006 as required by the *Department Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ* (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District storm water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

The RWP provides region-specific information on the Department facilities, water bodies, and Best Management Practices (BMPs), and monitoring programs according to the following sections:

- Section 1 – Introduction;
- Section 2 – Personnel and Responsibilities;
- Section 3 – District Facilities and Water Bodies;
- Section 4 – High Risk Areas; and
- Section 5 – Implementation Activities.

2.0 DEPARTMENT PERSONNEL AND RESPONSIBILITIES

Portions of Department District 4 fall within the jurisdiction of the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) and include portions of Central Coast, Central Valley, and North Coast RWQCBs. District personnel responsible for implementing the SWMP within District 4 are listed in Table 2-1, and their responsibilities are explained in the following paragraphs.

TABLE 2-1: DEPARTMENT STORM WATER PERSONNEL AND RESPONSIBILITIES

| Staff | Title | Phone Number | E-Mail Address |
|-----------------------------|---|---------------------|--|
| David Yam | Storm Water Program Manager | 510-286-5662 | David_Yam@dot.ca.gov |
| Analette Ochoa [*] | District Storm Water Coordinator | 510-286-6269 | Analette_Ochoa@dot.ca.gov |
| Kee Tsang (acting) | Water Pollution Control Coordinator | 510-286-5637 | Kee_Tsang@dot.ca.gov |
| Robert Sorenson | District Maintenance Storm Water Coordinator | 510-286-5215 | Robert_Sorenson@dot.ca.gov |
| Frank Gorham | District Storm Water Construction Coordinator | 510-286-1154 | Frank_Gorham@dot.ca.gov |
| Kathleen Jenkins (acting) | Erosion Control Coordinator | 510-622-1678 | Kathleen_Jenkins@dot.ca.gov |
| Shirley Parker | Right-of-Way Coordinator | 510-286-5322 | Shirley_Parker@dot.ca.gov |
| Sharon Patch | Hydraulics Representative | 510-286-4862 | Sharon_Patch@dot.ca.gov |
| Lauren Wonder | Public Affairs Coordinator | 510-286-6120 | Lauren_Wonder@dot.ca.gov |
| Thomas Franklin | Permits Coordinator | 510-286-4424 | Thomas_Franklin@dot.ca.gov |

The duties and responsibilities associated with the Storm Water Program Manager and each of the Storm Water Coordinators (Coordinators) and storm water representatives (Representatives), including the functional units they represent are as follows:

District Storm Water Program Manager

The District Storm Water Program Manager (Manager) is the Office Chief of the Office of Water Quality and Mitigation. He supervises the Storm Water Coordination Branch, the Water Pollution Control Branch, and the Erosion Control Branch. The Manager is in charge of all storm water activities in the District. The Manager is accountable for establishing an effective

^{*} Analette Ochoa is the designated primary contact.

water quality/storm water program and maintaining a liaison with Headquarters and District Program Managers (Division Chiefs) for the purpose of effective communication, collaboration, and coordination of storm water activities. The Program Manager provides support, direction, and guidance to the District Storm Water Coordinator (DSWC).

The responsibilities of the District Storm Water Program Manager are as follows:

- Direct District operations regarding water quality and storm water.
- Align District efforts to achieve compliance with the NPDES permit.
- Be the ultimate signatory authority in the District for all compliance documents and commitments regarding storm water management.
- Work as the primary liaison, on water quality and waste discharge issues between the District and Headquarters, the State Water Resources Control Board, the Regional Water Quality Control Boards, U.S. Environmental Protection Agency, and other agencies.
- Arbitrate disputes and disagreements on policies, activities, assignments, and responsibilities regarding storm water issues.

District Storm Water Coordinator

Under the general direction of the District Storm Water Program Manager, the District Storm Water Coordinator (DSWC) is responsible for developing District storm water quality policies and guidance, and daily management of the District's storm water quality program. The DSWC is responsible for identifying issues and developing recommendations related to storm water quality, regulated wastes, and other environmental issues that affect the District. The DSWC supervises staff, which supports and executes activities of the DSWC and the Storm Water Program. The specific storm water tasks for which the DSWC is responsible include the following:

- Provide guidance and direction for the preparation, development, and implementation of a comprehensive District Storm Water Program, as described in the RWP.
- Oversight of activities related to notification procedures for reuse of soil containing lead in accordance with variances issued by the Department of Toxic Substances Control (DTSC).
- Provide guidance on writing Storm Water Data Reports (SWDRs). Reviews and approves SWDRs.
- Ensure accuracy and adequacy of the storm water workload allocations for each fiscal year.
- Coordinate and track resource distributions, workloads, and projects within the District.
- Assist the District functional units in prioritizing, monitoring, tracking, and evaluating storm water resources, activities, and operations.

- Implement a quality assurance and quality control program for monitoring the activities of the District functional units, in order to ensure that the conditions of the Permit, SWMP, and RWP are implemented properly.
- Provide guidance and direction necessary to develop strategies for addressing regulations and mandates on storm water and waste discharges set forth by federal, state, and local regulatory agencies.
- Represent the District at the Storm Water Advisory Teams (SWATs) identified in the SWMP.
- Monitor and evaluate the storm water activities and procedures of municipalities, developers, and other agencies. Emphasis is appointed to those agencies in the Bay Area that encroach upon or administer projects within the Department's right-of-way.
- Establish impartial and equitable decisions that benefit the Department in attaining the objectives of the Storm Water Program.
- Work as leader and chairperson of the District Storm Water Management Committee (SWMC).
- Determination and evaluation of storm water impacts during California Environmental Quality Act and/or National Environmental Policy Act (CEQA/NEPA) screening.
- Evaluation and recommendation of permanent control and treatment measures for addressing project storm water impacts.
- Preparation or aid in the preparation of the contract PS&E for inclusion of permanent control measures to improve or minimize water quality impacts.
- Assist in development of training programs.

Water Pollution Control Coordinator

The Water Pollution Control Coordinator (WPCC) is the Branch Chief of the Water Pollution Control Branch. The WPCC is responsible for working closely with the Erosion Control Coordinator (ECC) and the DSWC to incorporate water pollution recommendations into the planning, design, and construction of all projects in District 4. The specific storm water tasks for which the WPCC Coordinator is responsible include the following:

- Determination and evaluation of storm water impacts during California Environmental Quality Act and/or National Environmental Policy Act (CEQA/NEPA) screening.
- Identification of costs related to water pollution control, non-storm water discharges, and waste management on programming documents.
- Development of new specifications, details, and guidance materials related to non-storm water discharges and waste management.
- Preparation of contract specifications and estimates to address development of Storm Water Pollution Prevention Plans (SWPPPs).

- Preparation of contract plans, specifications, and estimates (PS&E) to address temporary controls for non-storm water discharges and waste management activities.
- Preparation of the report for Notification of Construction.
- Propose, develop, and manage storm water monitoring programs, in coordination with the Headquarters Environmental Program.
- Assistance to the District Permits Branch in evaluating water quality impacts and requirements of encroachment permit applications.

The WPCC, as a member of the SWMC, is also responsible for compiling and providing to the District Storm Water Coordinator, all Water Pollution Control related input required for the annual report, preparation of RWP and other permit related documents and reports.

Maintenance Coordinator

The Maintenance Coordinator is responsible for communicating with the DDC of Maintenance and the Maintenance Operation Team (MOT) regarding the proper implementation of maintenance related sections of the SWMP and RWP. The Maintenance Coordinator reports all storm water related maintenance activities to the SWMC and coordinates storm water training for maintenance staff as well as overseeing inspection of maintenance facilities and operations relative to Permit compliance. The Maintenance Coordinator is chairperson of the MOT that meets routinely to discuss water quality issues, update the Maintenance portion of the RWP, and compile information for the Annual Reports, as well as the SWMP. The Maintenance Coordinator serves as the conduit for information between the SWMC and maintenance offices, as well as the Headquarters Maintenance Program (esp. Maintenance SWAT identified in the SWMP).

Construction Coordinator

Under the general direction of the Division of Construction, the Construction Storm Water Coordinator (CSWC) is responsible for developing storm water quality policies and guidance, and daily management of Construction's storm water quality program. The CSWC is responsible for the proper implementation of the SWMP and the RWP within Construction. The CSWC supervises staff, which implements the program requirements in the field during the construction phase. The specific tasks for which the CSWC will be responsible include:

- Work as the primary point of contact for storm water issues during the construction phase.
- Develop and administer storm water training for Construction staff.
- Review Storm Water Pollution Prevention Plans (SWPPP).
- Track critical compliance milestones that occur prior to and during the course of construction.
- Conduct final project closeout inspections.
- Submit the Notice of Completions for SWPPP projects

- Submit approved SWPPPs to the RWQCBs as requested.
- Submit reports to the RWQCBs as requested.
- Provide oversight inspections for SWPPP projects.
- Prepare and submit Threat of Discharge reports.
- Prepare and submit Illicit Connection/ Discharge Reports for Construction
- Represent Construction in the District's SWMC Meetings.
- Provide input to the Annual Report.
- Participate on the Construction SWAT defined in the SWMP

The CSWC ensures that all enforcement actions or corrections requested by the Regional Boards are promptly implemented, and documented. The CSWC serves as the primary conduit for information during the construction phase for the RWQCBs, Headquarters Construction, and construction field staff. The CSWC supports the design related functional units in determining specific project needs and evaluation of water pollution control measures in the field.

Erosion Control Coordinator

The Erosion Control and Mitigation Branch facilitates the incorporation of water pollution and erosion control recommendations into the planning, design, and construction of all projects in District 4. The Erosion Control and Mitigation Branch Chief is the Erosion Control Storm Water Coordinator (ECC). The ECC is responsible for working closely with WPCC and the DSWC to incorporate erosion control recommendations into the planning, design, and construction of all projects in District 4. The ECC also provides field support to Construction, Maintenance, and Permits when requested.

- The specific storm water tasks for which the EC Coordinator is responsible include the following:
- Determination and evaluation of storm water impacts during CEQA/NEPA screening.
- Evaluation and recommendation of the vegetation for the permanent control and treatment control measures for addressing project storm water impacts.
- Identification of costs related to water pollution and erosion control on programming documents.
- Develop new specifications, details, and guidance materials related to erosion and sediment control.
- Preparation of contract PS&E to address erosion and sediment controls for projects.
- Provide guidance on writing Storm Water Data Reports (SWDRs). Reviews and signs SWDRs.
- Preparation or aid in the preparation of the contract PS&E for inclusion of permanent control and treatment control measures to improve or minimize water quality impacts on projects.

- Ensure that reuse locations of soil containing lead in accordance with variances issued by DTSC are not subject to erosion and stabilized as part of project design.
- Assist the District Permits Branch in evaluating erosion control requirements of encroachment permit applications.
- Conduct studies to improve water quality objectives on highway planting projects.
- Assist in development of training programs, especially that attributed to EC staff.
- Participate in the Design SWAT identified in the SWMP.

The EC Coordinator acts as the liaison with the Headquarters Office of Landscape Architecture to develop, submit, review, and gain approval for all specifications and details related to erosion and sediment control. Furthermore, the EC Coordinator is the contact for Headquarters' Design Program in the approval or concurrence with specifications related to water pollution control related to erosion and sediment control.

Right-of-Way Coordinator

The Right of Way Coordinator for the SWMC is currently a District Branch Chief of Property Management. This Coordinator is responsible to:

- Attend all SWMC meetings to report on Right of Way activities.
- Ensure that storm water training is available to Right of Way Agents tasked with property inspection responsibilities.
- Ensure that regular property inspections include storm water inspections.
- Maintain documentation of the inspection findings and corrective actions.
- Prepare a summary of completed storm water property inspections for use in Annual Reports.
- Disseminate information and answer questions regarding Department storm water policy to all Right of Way staff involved in storm water inspections.
- Notify the SWMC and/or the DSWC of discharges or situations that appear to be in gross violation of Department' Permit, SWMP, or RWP.
- Report instances where Right of Way may conduct construction activities that require the development of a SWPPP and related notification.

Engineering Services (Hydraulics) Representative

The Hydraulics Representative (HR) is a member of the SWMC responsible for providing information on permanent control measures, except those related to erosion control, that are being planned, designed, and implemented in projects. The HR is responsible for providing input and review of Annual Reports and RWPs. The HR ensures that the management and staff of the Hydraulics Branch are knowledgeable of the RWP and various water pollution control efforts and commitments for minimizing or preventing pollutants from being present in discharges. The HR ensures that the design processes utilized by the Hydraulics Branch are

consistent with the RWP and the SWMP, especially those processes related to the evaluation, selection, and design of permanent control and treatment control measures.

Public Affairs Coordinator

The Public Affairs Coordinator is a member of the SWMC responsible for maintaining an effective public information program as specified in this RWP and any elements of the SWMP that are attributed to the District. The Public Affairs Coordinator is directly responsible for the following:

- Ensure publication of storm water articles within District publications (i.e. newsletters).
- Distribution of the District Storm Water Pamphlet
- Development and distribution of Public Service Announcements regarding storm water.

Ensuring that storm water information is available at miscellaneous events, such as County fairs and fleet week, for which Department might be a participant.

Permits Coordinator

The Permits Coordinator is a member of the SWMC responsible for ensuring that the District Office of Permits is in compliance with the Permit, SWMP, and RWP. The Office of Permits is responsible for issuing permits to local agencies, utility companies, and others (i.e. film production companies, marathon sponsors, etc.) that desire to encroach into the Department's right-of-way for conducting construction, maintenance, or other activities consistent with their organization. The Permits Coordinator ensures that all permits issued to those encroaching into the Department's right of way are in compliance the Permit, in a manner that is consistent with that required of Maintenance, Construction, and Design.

In compliance with Permit Section M.10.b, the positions listed in Table 2-2 are authorized to sign the documents, reports and other information submitted by the District to either the State Water Resources Control Board or the Regional Water Quality Control Board(s).

TABLE 2-2: SIGNATORY AUTHORITY FOR KEY DOCUMENTS

| Positions or Individuals | Documents Authorized for Signature |
|--|---|
| Storm Water Program Manager | All District Documents |
| Storm Water Coordinator | All District Documents except Regional Workplan |
| Construction Coordinator | SWPPP, Notice of Completion of Construction (NCC), Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification |
| Maintenance Coordinators, Managers, Office Chief, and HazMat Manager (See Section 4.1 of RWP) | Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, Report of Illicit Connection/Discharge, and Facility Pollution Prevention Plans |
| Permit Coordinator | Report of Illicit Connection/Discharge |
| Water Pollution Control Coordinator/ Environmental Engineering Office Chief | Notice of Soil Reuse with Aerially Deposited Lead (ADL) Notification of Construction, Notice of Construction Completion |

TABLE 2-2: SIGNATORY AUTHORITY FOR KEY DOCUMENTS

| Positions or Individuals | Documents Authorized for Signature |
|---------------------------------|--|
| Resident Engineers | SWPPPs, Notice and Report of Non-Compliance, and Discharge or Threat of Discharge Notification |
| Right-of-Way Coordinator | SWPPPs, Notice of Completion, Notice and Report of Non-Compliance, and Discharge or Threat of Discharge Notification |
| Facility Supervisor | Facility Pollution Prevention Plans |

3.0 DISTRICT FACILITIES AND WATER BODIES

This section identifies Department facilities and water bodies within the San Francisco Bay Regional Board jurisdiction. A list of Department facilities, excluding roadways, is presented in Table 3-1. The District 4 major roads, highways, and boundaries within the Regional Water Quality Control Boards are presented on Figure 3-1.

TABLE 3-1: DISTRICT 4 FACILITIES

| CO | Route | PM | Name | Comments |
|-----------------------------|-------|------|----------------------------------|---|
| Maintenance Stations | | | | |
| ALA | 24 | 3.1 | Telegraph | Landscape Maintenance, 3605 Telegraph Ave. 94609-2426 |
| ALA | 24 | 5.7 | Caldecott Tunnel | Special Crews, West Portal and Caldecott, Oakland |
| ALA | 80 | 2.0 | Toll Bridge Region | Special Crews, SFOBB Toll Plaza, Oakland |
| ALA | 80 | 2.0 | East Bay Paint | Special Crews |
| ALA | 84 | | Dumbarton | Highway Maintenance, 9825 Thornton Ave, Fremont |
| ALA | 84 | 10.2 | Fremont | Highway Maintenance, 245 Mowry Rd. Fremont, 94536 (Maintenance) |
| ALA | 92 | | San Mateo | Highway Maintenance, 5500 West Jackson, Hayward |
| ALA | 260 | | Webster Tube | Special Crews, 415 Harrison St. Oakland 94607-4118 |
| ALA | 260 | 2.0 | Posey Tube | Special Crews, 415 Harrison St. Oakland 94607-4118 |
| ALA | 580 | 13.1 | Livermore | Highway Maintenance, 2153 South Front Rd. Livermore 94550 |
| ALA | 580 | 28.9 | Hayward | Highway Maintenance, 21145 Center St., Castro Valley |
| ALA | 580 | 35.7 | 106 th Street | Special Crews, 106 th Ave, Oakland |
| ALA | 580 | 38.9 | Seminary | Landscape Maintenance, 6220 Seminary, Oakland, 94605-1852 |
| ALA | 580 | 41.6 | 14 th Avenue (closed) | Special Crews |
| ALA | 580 | 44.5 | Kempton (closed) | Special Crews |
| ALA | 880 | | San Leandro | Special Crews, 600 Lewelling Blvd., San Leandro |
| ALA | 880 | | Shop 4 | Special Crews, 1933 Marina Blvd., San Leandro |
| ALA | 880 | 20.0 | East Bay Region | Highway Maintenance, 245 Mowry Rd. Fremont, 94536 (Maintenance) |
| ALA | 880 | 28.7 | Oakland | Special Crews, Elec./Signs Central/Buttons |
| ALA | 880 | 28.7 | Oakland | Special Crews, 1112-29 th Ave. Oakland 94601 |
| ALA | 980 | 1.25 | Oakland | District 4 Office |

SECTION THREE

Regional Work Plans

| CO | Route | PM | Name | Comments |
|-----|-------|-------|----------------------------|--|
| CC | 4 | 1.0 | Hercules | Landscape Maintenance, 1369 Willow Road, Hercules |
| CC | 680 | 0.1 | Scott Creek Road (closed) | Satellite |
| CC | 680 | 0.2 | Alcosta | Landscape Maintenance, 21300 San Ramon Valley Blvd. San Ramon 94583 |
| CC | 680 | 6.7 | Sycamore Valley Road | Landscape Maintenance, Danville |
| CC | 680 | 15.6 | Walnut Creek-West | Landscape Maintenance, 2581 North Main St. Walnut Creek 94596 |
| CC | 680 | 15.6 | Walnut Creek-East | Highway Maintenance, 2616 North Main Street, Walnut Creek 94596-2713 |
| MRN | 1 | 0.1 | Manzanita | Highway Maintenance, 40 Shoreline Hwy, Mill Valley |
| MRN | 1 | 28.2 | Point Reyes | Highway Maintenance, 10795 Hwy 1, Point Reyes |
| MRN | 17 | 0.2 | San Rafael Paint | Special Crews |
| MRN | 101 | 3.0 | North Bay Region | Highway Maintenance |
| MRN | 580 | | San Rafael Paint | Special Crews, West End of Bridge, at San Quentin, San Rafael |
| MRN | 580 | 6.1 | Richmond & San Rafael Br. | Special Crews, Maintenance Toll Plaza |
| NAP | 29 | 12.0 | Napa | Highway Maintenance, 3161 Jefferson ST., Napa |
| NAP | 29 | 37.4 | Calistoga | Highway Maintenance, 1413 Tubbs Lane, Calistoga |
| NAP | 29 | 43.6 | Mount Saint Helena | Salt and Sand Storage |
| SCL | 17 | 7.1 | Los Gatos | Satellite |
| SCL | 85 | 17.5 | Cupertino | Highway Maintenance, 10130 Bubb Rd, Cupertino |
| SCL | 101 | 49.0 | Middlefield Road | Special Crews, 1770 Old Middlefield Rd., Mountain View |
| SCL | 280 | 0.0 | Page Mill Road, Electrical | Special Crews, 2350 Page Mill Road, Los Altos |
| SCL | 680 | 7.5 | Milpitas | Landscape Maintenance, 115 Dempsey Rd., Milpitas |
| SCL | 880 | 4.3 | San Jose | Highway Maintenance, 500 Queens Lane, San Jose |
| SF | 80 | 5.4 | West Bay Paint | Special Crews, 434 Main St., SF |
| SF | 101 | 4.1 | San Francisco | Highway Maintenance, 110 Rickard Street San Francisco 94134-1260 |
| SF | 280 | | San Francisco | Specialty Region, 30 Rickard St., San Francisco |
| SF | 280 | 3.6 | Alemany/Specialty Region | Special Crews |
| SM | | 000.0 | South San Francisco | Highway Maintenance, 296 Airport Blvd. So. San Francisco 94101 |

SECTION THREE

Regional Work Plans

| CO | Route | PM | Name | Comments |
|---------------------|-------|---------|--|---|
| SM | 1 | 26.9 | Half Moon Bay | Highway Maintenance, 2003 Cabrillo Hwy., Half Moon Bay, 94019 |
| SM | 35 | 10.0 | Skylonda (closed) | Satellite |
| SM | 92 | 2.6 | San Mateo/Hayward/Dmbtn | Special Crews, 9825 Thornton Ave. Fmnt. 5500 West Jackson, Hayward 94545-3616 |
| SM | 92 | 13.6 | West Bay Region See So. SF; HMB; Foster City | Highway Maintenance, 380 Foster City Blvd., Foster City |
| SM | 92 | 14.5 | San Mateo Paint | Special Crews, West end of Bridge, Pier #1, Foster City |
| SM | 101 | 4.6 | Redwood City | Landscape Maintenance, 2501 East Bayshore Blvd., Redwood City |
| SM | 280 | 4.6 | Woodside | Highway Maintenance, 5055 Farmhill Blvd., Woodside |
| SM | 280 | 17.9 | Millbrae | Landscape Maintenance, Sawyer Camp Trail Hillcrest, Millbrae 94030 |
| SM | 280 | 22.7 | Westborough (closed) | Special Crews, Junipero Serra & Westborough Blvd., Daily City |
| SOL | 37 | 9.8 | Vallejo | Highway Maintenance, 1700 Sears Point Rd., Vallejo |
| SOL | 80 | 0.70 | Carquinez/Benicia/Antioch Bridge | Highway Maintenance |
| SOL | 80 | 17.2 | Fairfield | Landscape Maintenance, 2019 West Texas St., Fairfield 94533 |
| SOL | 680 | | Benicia Bridge | Special Crews, Toll Plaza, Benicia |
| SOL | 680 | | Tri-Bridges | Special Crews, 100 Industrial Way, Benicia |
| SOL | 780 | 2.2 | Benicia | Special Crews, 1700 E. 2 nd St., Benicia 94510 |
| SON | 101 | | Petaluma | Special Crews, 611 Payran St., Petaluma |
| SON | 101 | 3.0 | South Petaluma | Special Crews, 1485 South Petaluma Blvd., Petaluma |
| Vista Points | | | | |
| MRN | 1 | 6.1 | | Vista Point |
| MRN | 1 | 7.1 | Muir Beach Overlook | Vista Point |
| MRN | 101 | 0.1 | Golden Gate Vista Point | Vista Point |
| NAP | 29 | 6.6 | | Vista Point |
| SCL | 35 | 14.1 | | Vista Point |
| SM | 35 | 4.5 | | Vista Point |
| SM | 35 | 14.3 | Skaggs Point | Vista Point |
| SM | 35 | 23.0 | Jct. 35/92 | Vista Point |
| SM | 280 | 7.2/7.5 | Edgewood & Route 92 | Vista Point |
| SM | 280 | 8.4 | Edgewood & Route 92 | Vista Point |
| SM | 280 | 9.4 | Edgewood & Route 92 | Vista Point |

SECTION THREE

Regional Work Plans

| CO | Route | PM | Name | Comments |
|--|-------|-------|----------------------------------|--|
| Commercial Vehicle Enforcement Facilities | | | | |
| ALA | 580 | R9.2 | Livermore | EB |
| ALA | 580 | R8.9 | Livermore | WB |
| ALA | 680 | R8.7 | Mission Grade | NB |
| ALA | 880 | 3.7 | Nimitz | SB |
| ALA | 880 | 4.2 | Nimitz | NB |
| CC | 680 | 15.9 | Walnut Creek | NB |
| CC | 680 | 16.0 | Walnut Creek | SB |
| MRN | 101 | 14.1 | Terra Linda | Northbound (NB) |
| MRN | 101 | 15.2 | St. Vincents | Southbound (SB) |
| SOL | 80 | 14.2 | Cordelia | Eastbound (EB) |
| SOL | 80 | 14.4 | Cordelia | Westbound (WB) |
| Roadside Rest Areas | | | | |
| MRN | 101 | 0.3 | Dana Bowers | Northbound 101 |
| SM | 280 | R13.5 | Crystal Springs | Near San Francisco Reservoir |
| SOL | 80 | 6.7 | Hunter Hill | 7 mi. E of Vallejo |
| Park and Ride Facilities | | | | |
| ALA | 13 | 13.4 | 7 th St. & Folger St. | Near Jct. 80 & Ashby |
| ALA | 84 | R3.0 | Dumbarton | Route 84 & Ardenwood |
| ALA | 238 | 0.7 | Mission SJ Park | At High School, Fremont (joint use) |
| ALA | 580 | 13.2 | Livermore | 1624 Portola Ave in Livermore |
| ALA | 580 | 29.2 | Castro Valley | SE corner @ Center St. in Castro Valley |
| ALA | 580 | 30.7 | John Drive | John Drive in Castro Valley |
| ALA | 580 | 41.4 | Fruitvale | Fruitvale Avenue IC in Oakland |
| ALA | 680 | 6.4 | Mission Blvd. | IC of Route 238 near Mission Blvd. in Fremont |
| CC | 4 | 11.1 | Pacheco | NE corner Pacheco Blvd & Blum Rd |
| CC | 24 | 1.2 | Orinda | SW corner Gateway Blvd IC |
| CC | 80 | 6.0 | Hilltop | NE corner Hilltop Dr. IC in Richmond |
| CC | 80 | 6.6 | Richmond Parkway | SW quad of Rte 80/Richmond Pkwy |
| CC | 80 | 10.7 | Willow | Willow Ave IC NW & SE corners |
| CC | 80 | 13.5 | Crockett | NW corner San Pablo Ave in Crockett |
| CC | 242 | 0.9 | Willow Pass | NE corner Willow Pass Road I/C in Concord |
| CC | 680 | 3.0 | Bollinger | SW quad I-680/Bollinger Canyon Road, San Ramon |
| CC | 680 | 12.6 | Rudgear | SE corner Rudgear Road IC in Walnut Creek |
| MRN | 37 | 13.8 | Black Pt/Atherton | NW corner Atherton Ave IC near Black Point |

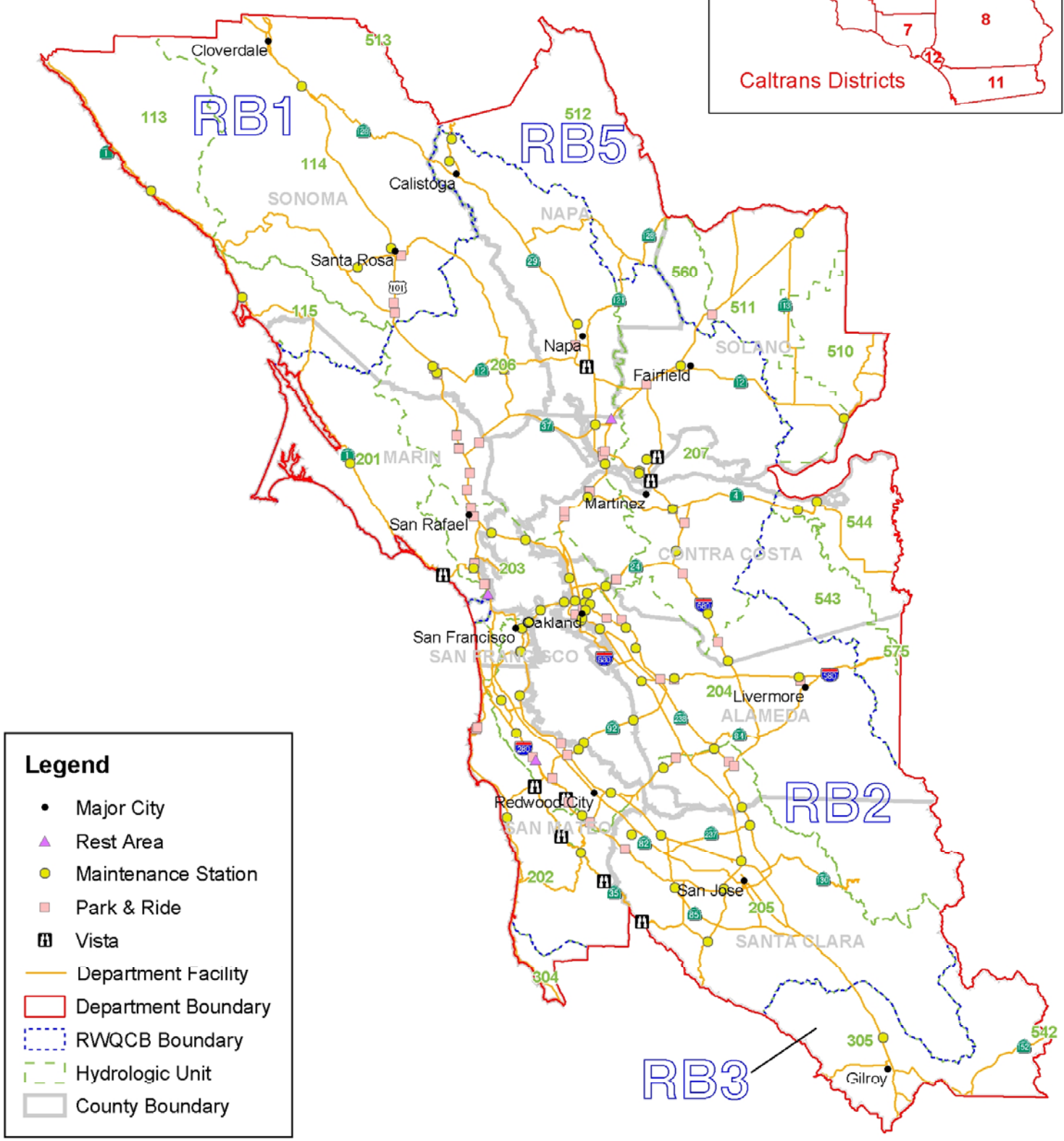
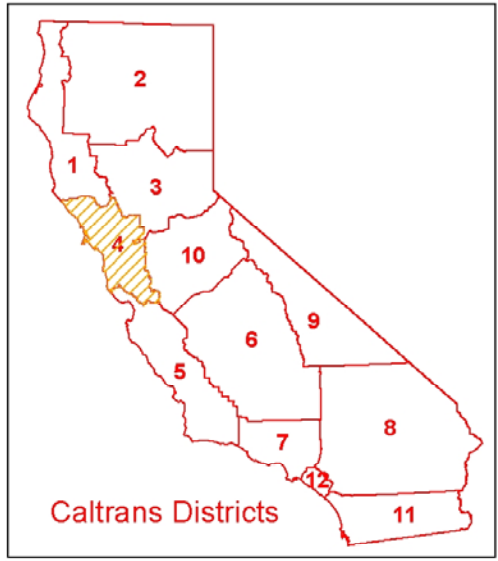
SECTION THREE

Regional Work Plans

| CO | Route | PM | Name | Comments |
|------------------------------------|-------|------|--------------------------|--|
| MRN | 101 | 1.5 | Spencer | NW corner Spencer Ave near Sausalito |
| MRN | 101 | 4.1 | Manzanita | Route 1 IC in Marin City |
| MRN | 101 | 5.4 | Seminary | NW & SE corners Seminary Dr in Mill Valley |
| MRN | 101 | 10.8 | Hetherton | 4th & Hetherton in San Rafael |
| MRN | 101 | 12.2 | Lincoln Ave. | W side Lincoln Ave IC in San Rafael |
| MRN | 101 | 14.7 | Lucas Valley | SE corner of Lucas Valley IC |
| MRN | 101 | 16.6 | Alameda Del Prado | SW corner of Alameda Del Prado in Novato |
| MRN | 101 | 20.2 | Rowland Blvd | Rowland Blvd in Novato |
| MRN | 101 | 22.0 | Novato | E side Atherton Avenue Interchange |
| NAP | 29 | 10.3 | Imola | NW side Route 29-Imola Ave W/GG in Napa |
| SCL | 280 | 18.4 | Page Mill | SE corner Page Mill Road IC near Los Altos Hills |
| SM | 1 | 41.0 | Pacifica | NE corner Linda Mar Blvd & Route 1 |
| SM | 1 | 41.2 | Crespi Drive | SE corner Crespi Dr & Route 1 |
| SM | 92 | 7.9 | Ralston | SE corner Ralston Ave IC in Belmont |
| SM | 101 | 11.9 | San Mateo | Route 92 (under SE overcrossing) San Mateo |
| SM | 101 | 13.5 | 3rd Ave-San Mateo | NE corner 3rd Ave in San Mateo |
| SM | 280 | 3.3 | Woodside | SW corner Woodside Road Interchange |
| SM | 280 | 6.7 | Edgewood | NE corner Edgewood Road N of Woodside |
| SM | 280 | 14.2 | Hayne Road | SW corner Hayne Road IC near Redwood City |
| SOL | 12 | | Suisun City | Main and Florida |
| SOL | 80 | 1.8 | Magazine St. | IC NW corner in Vallejo |
| SOL | 80 | 2.2 | Lemon St. | Lemon St. & Curtola Pkwy. |
| SOL | 80 | 2.6 | Benicia Rd. | NE corner Benicia Rd. IC in Vallejo |
| SOL | 80 | 12.8 | Green Valley Rd. | Green Valley Rd. IC NW in Cordelia |
| SOL | 780 | 2.0 | E. 2 nd St | NE corner, Benicia |
| SON | 101 | 2.9 | Petaluma | SE corner S Petaluma Blvd. in Petaluma |
| SON | 101 | 3.6 | Lakeville HWY (Rte. 116) | W side of 101 at Route 116, Petaluma |
| Toll Road and Bridge Plazas | | | | |
| ALA | 80 | 1.99 | SF-OAK Bay Bridge | San Francisco- Oakland Bay Bridge |
| SOL | 80 | 0.46 | Carquinez | Carquinez Bridge |
| ALA | 84 | 3.18 | Dumbarton | Dumbarton Bridge |
| ALA | 92 | 2.57 | San Mateo/Hayward | San Mateo- Hayward Bridge |
| CC | 160 | 0.69 | Antioch | Antioch Bridge |
| CC | 580 | 6.13 | Richmond/San Rafael | Richmond - San Rafael Bridge |
| SOL | 680 | 0.60 | Benicia/Martinez | Benicia - Martinez Bridge |

Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP. Specific information on Department facilities and water bodies may also be found at the following website: <http://stormwater.water-programs.com/research.htm>.

- RWQCB Index**
- RB1 North Coast Region
 - RB2 San Francisco Bay Region
 - RB3 Central Coast Region
 - RB5 Central Valley Region



- Legend**
- Major City
 - ▲ Rest Area
 - Maintenance Station
 - Park & Ride
 - ⊞ Vista
 - Department Facility
 - ▭ Department Boundary
 - ▭ RWQCB Boundary
 - - - Hydrologic Unit
 - ▭ County Boundary



Figure 3-1
District 4 RWQCB and H.U. Boundaries

4.0 HIGH RISK AREAS

A list of high-risk areas within District 4 is presented in Table 4-1. High-risk areas are defined in the Section E.2 of the Permit to include areas such as locations where spills from Department owned right-of-ways, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Additional sites may be added to the high-risk list based on discussion between the Regional Water Quality Control Board (RWQCB) and Department. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs and ground water percolation facilities, the Department first contacted known public and private water supply providers. From the information received, the Department determined which facilities were susceptible to a direct spill from a Department activity or facility. This determination was based on proximity between the water body and the Department's facility, use characteristics of the facility, and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

TABLE 4-1: HIGH RISK AREAS

| Road Segment/ Facility | County | High Risk Area | Description | Comments |
|-----------------------------------|----------------------|---------------------------------|--|---|
| Route 128 | Napa County | Lake Hennessey | Lake Hennessey is utilized as a water supply. | Light truck traffic and slower speeds due to the alignment and grade of this section of Route 128 reduces the likelihood of hazardous spills. |
| Route 35 | San Francisco County | Lake Merced | Adjacent to Route 35 in the City of San Francisco, Lake Merced is primarily used as a recreational area. It also serves as an emergency source for drinking water. | Storm water from Route 35 currently discharges directly to the lake via a series of down-drains. |
| Route 280 | San Mateo County | Lower Crystal Springs Reservoir | Route 280 in San Mateo county crosses through a watershed that drains to both upper and lower Crystal Springs Reservoirs. | In order to preserve the quality of the reservoirs, it was necessary to develop a system that allows clean, natural runoff to drain to the reservoirs while freeway runoff was directed into a series of seven turbidity ponds. |

SECTION FOUR

Regional Work Plans

| Road Segment/ Facility | County | High Risk Area | Description | Comments |
|---------------------------|---------------------|---------------------------------|---|---|
| Route 92 | San Mateo County | Upper Crystal Springs Reservoir | Route 92 bisects the Upper Crystal Springs Reservoir from the Lower one. These reservoirs supply the San Francisco Water Department with water for domestic use. | A proposed safety project to widen and realign Route 92 in San Mateo County from Crystal Springs Reservoir to Route 35 will incorporate spill prevention and containment techniques. This Route acts as the main access to coastal communities and, as such, experiences heavy truck traffic. |
| Route 24 | Contra Costa County | San Pablo Reservoir | San Pablo Reservoir in the East Bay lies between Orinda and El Sobrante off San Pablo Dam Road. Reservoir is located at an elevation of 314 feet in the Berkeley hills. It has 860 surface acres. At San Pablo, reservoir visitors can fish, picnic, hike, or just relax in beautiful settings. | Runoff from Route 24 in Orinda discharges directly to San Pablo Creek, which empties into San Pablo Reservoir. The light truck traffic and relatively straight horizontal alignment at this location reduces the likelihood of spills. |
| Route 24 | Alameda County | Lake Temescal | Lake Temescal lies adjacent to Route 24 in the City of Oakland. Although the lake primarily serves as a recreational area, it may be utilized as an emergency water supply. | No comments. |
| SR 17, PM 18-18.6 | Santa Clara County | Lexington Reservoir | Reservoir is municipal water supply source for approximately 10,000 residents in the towns of Saratoga and Los Gatos. Route 17 parallels Lexington Reservoir, which is located approximately three miles south of the Town of Los Gatos. | The lack of industrial facilities along this section of highway as well as the constrained horizontal and vertical geometry of the highway discourages heavy truck traffic. Trucks using Route 17 are most likely serving the nearby Santa Cruz and San Lorenzo Valley areas. |
| Routes 17 & 85 | Santa Clara County | Percolation Facilities | Several Santa Clara Valley Water District (SCVWD) percolation ponds lie along Los Gatos Creek adjacent to Route 17 and the Route 17/85 Interchange in Campbell. The water source for most of these ponds is Los Gatos Creek. | While runoff from the Route 17/85 Interchange does not discharge to the nearby ponds, SCVWD is concerned that off-roadway accidents in which vehicles or trucks run down embankments could occur, thereby jeopardizing the ponds. |

5.0 IMPLEMENTATION ACTIVITIES

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when significant maintenance activities are initiated during the year. These projects are updates to the RWP provided each April.

Table 5-1 includes a list of construction projects that meet one or more of the following criteria:

- The project involves greater than 5 acre of land disturbance, designated as “DSA;”
- The project affects a 303(d) listed water body within the project limits, designated as “303d;”
- The project requires a 401 Water Quality Certification or Waiver, designated as “401;”
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and Department) designated as “SEP;”
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as “Retro;”
- The project limits are with a “High Risk Area,” designated as “HR;” and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as “RB.”

The information presented in Table 5-1 is intended to facilitate early RWQCB staff input in the project planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. In addition, projects that require RWQCB review and approval of project SWPPPs/WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Table 5-1.

Table 5-2 presents a list of anticipated significant maintenance projects that have the potential to impact water quality and provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s).

Table 5-3 summarizes various program management activities that are part of the storm water pollution prevention program.

SECTION FIVE

Regional Work Plans

TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|---|--|---------------|------------|------------|-------------------------|------------------------------|
| D | 27070 | ALA | 13 | 6.4 | 9.6 | Upgrade Metal Beam Barrier | Peralta Creek, Palo Seco Creek, Sausal Creek, Temescal Creek, Lake Temescal, Estudillo Canal and San Pablo Creek | DSA, 303d/HR | 8/7/2001 | 1/21/2004 | 9/1/2004 | 11/1/2005 |
| C | 01204 | ALA | 80 | 1 | 1.7 | Construct Oakland Touchdown | S.F. Bay Central | DSA, 303d/401 | 7/11/2001 | 12/31/2004 | 4/1/2007 | 3/1/2012 |
| C | 0120J | ALA | 80 | 1.4 | 3.9 | Storm Water Treatment Systems | S.F. Bay Central | DSA, 303d/401 | 7/11/2001 | 5/23/2005 | 11/1/2005 | 12/2/2006 |
| B | 18002 | ALA | 80 | 4.7 | 5.5 | Soundwall East (Nb) Side X | San Francisco Bay | 303d | 6/1/2006 | 5/1/2008 | | 12/1/2009 |
| D | 18162 | ALA | 80 | 5.7 | 6.8 | Planting And Irrigation | San Francisco Bay | | 5/20/1999 | 3/7/2001 | | 5/1/2005 |
| D | 18163 | ALA | 80 | 7.1 | 8 | Replace Planting And Irrigation | None | DSA | | 1/28/2002 | | 10/1/2006 |
| C | 17240 | ALA | 84 | 21 | 23.1 | Imprv Horz & Vert Curve Alignmt & Widen Shoulders | Vallecitos Creek | DSA, 401 | 10/15/2004 | 4/1/2005 | 11/1/2005 | 10/1/2010 |

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Regional Work Plans

TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|---|-------------------------------|---------------|------------|-----------|-------------------------|------------------------------|
| B | 23303 | ALA | 84 | 6.9 | 10.8 | Construct 4 Lane Highway | Alameda Creek | DSA, 303d | 4/1/2007 | 1/1/2009 | | 1/1/2012 |
| C | 01601 | ALA | 92 | 4.8 | 6.7 | 92/880 Interchange Reconstruction | S.F. Bay Via Alameda Creek | DSA, 303d/401 | 12/31/2003 | 4/1/2005 | 6/1/2005 | 7/1/2010 |
| D | 04506 | ALA | 92 | R2.6 | R6.3 | Planting And Irrigation | None | DSA | 7/16/1999 | 5/30/2002 | | 2/2/2007 |
| D | 04508 | ALA | 92 | 2.5 | 6 | Environmental Mitigation And Public Access Improvements | San Francisco Bay | | 7/16/1999 | 1/24/2002 | | 7/1/2007 |
| C | 12772 | ALA | 92 | R5.8 | R6.7 | Soundwalls Both Sides (Portions) | San Francisco Bay, Ward Creek | 303d/401 | 12/31/2003 | 6/1/2007 | | 7/1/2009 |
| C | 15534 | ALA | 238 | 9.2 | 11.2 | Intersectn Imprvmt At Mission/Carl-Os Bee Blvd & Leftturn At Crescent | Ward Creek, San Lorenzo Creek | 303d | 6/6/2000 | 2/1/2008 | | 1/1/2012 |
| D | 23365 | ALA | 238 | 3 | 3.9 | Intersection Improvement | None | | | 2/1/2002 | | 7/15/2006 |
| D | 24900 | ALA | 238 | R14.2 | R16.7 | Wdn I-238 Fr 4-6 Lns, Aux Lanes On I-880 | Central SF Bay | DSA, 303d | | | 1/1/2005 | |
| C | 24904 | ALA | 238 | 14.2 | 16.7 | I-238 Widening And Rehab | San Lorenzo | DSA, 303d | 6/25/2004 | 8/1/2005 | 12/1/2005 | 12/1/2012 |

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Regional Work Plans

TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|--|---|---------------|-----------|-----------|-------------------------|------------------------------|
| | | | | | | | creek | | | | | |
| C | 14355 | ALA | 580 | 46.3 | 46.1 | Siesmic Retrofit Phase-I 18-Bent. | San Francisco Bay | 303d | | | 11/1/2005 | 4/1/2007 |
| B | 14356 | ALA | 580 | 46.3 | 46.2 | Siesmic Retrofit Phase-I 1-Bent | San Francisco Bay | 303d | | | 9/1/2006 | 1/1/2008 |
| B | 17130 | ALA | 580 | 13.2 | 14.9 | Construct New Interchange To Connect Rte 84 To I-580 | Arroya de las Positas Creek | DSA, 303d/401 | 11/1/2005 | 8/1/2006 | 2/26/2007 | 10/1/2008 |
| D | 18179 | ALA | 580 | 47.8 | 47.9 | Establish Existing Planting | San Francisco Bay, Cerrito Creek | | 7/27/1995 | 3/29/2001 | | 2/1/2006 |
| C | 23379 | ALA | 580 | 21 | 0 | Constr Bart Station & Parking Lots | Tassajara Creek, Chabot Canal, Alamo Creek, Alamo Canal | | 4/13/2001 | 9/1/2005 | 11/1/2005 | 3/1/2008 |
| D | 25760 | ALA | 580 | 16.2 | 17 | Interchange Modification | S.F. Bay South | DSA, 303d | 7/1/2004 | 1/1/2005 | 5/1/2005 | 8/1/2006 |
| B | 29080 | ALA | 580 | 8 | 19.3 | Construct Hov Lanes | Arroyo Los Positas Creek, Collier | DSA, 401 | 12/1/2005 | 11/1/2006 | 9/1/2007 | 11/1/2009 |

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Regional Work Plans

TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|---|--|---------------|------------|-----------|-------------------------|------------------------------|
| | | | | | | | Canyon Creek, Cottonwood Creek | | | | | |
| B | 25375 | ALA | 680 | R0 | R19.3 | Widen Freeway, Construct Auxiliary Lanes, & Install Ramp Meters | Calera Creek, Scott Creek, Mission Creek, Alameda Creek, Arroyo De La Laguna, Various Wetlands | DSA, 401 | | 10/1/2005 | 7/1/2005 | 9/1/2009 |
| C | 28600 | ALA | 680 | M0 | M19.7 | Const Nb Hov Lane, Auxiliary Lanes, Install Ramp Metering And Widen | Arroya de la Laguna, Alameda, Berryessa Creek | DSA, 303d/401 | 2/1/2005 | 12/1/2007 | 5/1/2008 | 9/1/2011 |
| C | 16542 | ALA | 880 | 27.4 | 28 | Seismic Retrofit Ph-2 Replace High Street Sep Oh | Peralta Creek, East Creek Slough, Inner Harbor Tidal Canal, San Leandro | DSA | 12/30/1999 | 4/1/2005 | | 8/1/2009 |

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Regional Work Plans

TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|--|--|---------------|-----------|-----------|-------------------------|------------------------------|
| | | | | | | | Bay | | | | | |
| C | 23317 | ALA | 880 | 15.6 | 17.6 | Reconst I/C, Direct Connectors W/Hov Bypass, Add Auxlanes On I-880 | Alameda Creek, SF Bay | DSA, 303d/401 | | | 6/1/2005 | |
| D | 2332U | ALA | 880 | R0 | R2.9 | Widen Existing Freeway | Agua Fria Creek, Torges Creek, Agua Caliente Creek | DSA | 6/28/2002 | 2/28/2003 | 11/13/2003 | 12/1/2008 |
| D | 24300 | ALA | 880 | 15.4 | 17.9 | Planting And Irrigation | None | DSA | 6/29/2001 | 3/11/2002 | | 1/3/2007 |
| C | 26000 | ALA | 880 | 31 | 32.4 | Broadway/Jackson I/C Improvements | None | DSA | 4/1/2003 | 6/1/2005 | | 4/1/2008 |
| D | 29236 | ALA | 880 | 32.7 | 34 | Roadway Improvements And Planting | None | DSA | 9/5/2000 | 12/5/2000 | 9/1/2001 | 8/1/2007 |
| D | 22827 | CC | 4 | 21.2 | 22 | Repair Shoulder And Construct New Soundwalls | Willow Creek | DSA | 3/1/2004 | 6/1/2004 | 8/1/2004 | 8/1/2005 |
| D | 22827 | CC | 4 | 21.2 | 22 | Repair Shoulder And Construct New Soundwalls | Willow Creek | DSA | 3/1/2004 | 6/1/2004 | 8/1/2004 | 8/1/2005 |
| D | 22901 | CC | 4 | 22.2 | 23.8 | Widen Existing Freeway | None | DSA | 2/14/2001 | 4/3/2003 | 10/1/2003 | 7/1/2006 |

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Regional Work Plans

TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|---|--|---------------|-----------|------------|-------------------------|------------------------------|
| D | 22902 | CC | 4 | 22.8 | 0 | Realign Frontage Road | Kirker Creek, Contra Costa Canal, Willow Creek | | 2/14/2001 | 10/1/2001 | | 4/1/2005 |
| D | 22903 | CC | 4 | 23.4 | 0 | Replace Harbor St Oc Br #28-0095 | Kirker Creek, Contra Costa Canal | DSA | 2/14/2001 | 3/1/2002 | | 2/1/2005 |
| B | 2S420 | CC | 24 | R5.3 | R5.4 | Install A Device To Monitor Slope Movement. | San Pablo Creek | 303d | | 7/1/2010 | | 12/1/2011 |
| D | 01309 | CC | 80 | 13.7 | 14.1 | Remove Bridge And Approaches | Carquinez Strait | DSA, 303d/401 | | 12/30/2002 | | 4/1/2007 |
| B | 0130A | CC | 80 | 20.4 | 22.2 | Vista Point-Mitigation For Bridge Landscaping | Carquinez Strait | DSA, 303d | | 12/1/2005 | | 12/1/2006 |
| D | 1818A | CC | 80 | 6.3 | 7.6 | Planting And Irrigation | Garrity Creek, Pinole Creek | | 7/1/1999 | 3/14/2000 | | 3/1/2005 |
| B | 1A250 | CC | 80 | 5.9 | 0 | Bridge Replacement | San Francisco Bay, Cerrito Creek, | 303d | 12/1/2005 | 12/1/2006 | | 5/1/2008 |

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Regional Work Plans

TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|---------------------------------------|---|---------------|------------|-----------|-------------------------|------------------------------|
| | | | | | | | Wildcat Creek, San Pablo Creek, Garrity Creek | | | | | |
| D | 26370 | CC | 80 | 9.8 | 12.9 | Extend Hov - Rte 4 To Cummings Skyway | Potentially the creeks of Canada del Cierbo, Rodeo, Refugio, and adjacent wetlands. | DSA, 303d/401 | 6/26/2003 | 7/14/2003 | 4/1/2004 | 7/1/2007 |
| C | 04154 | CC | 580 | 6.5 | 7.8 | Reconstruct Deck Joints | San Francisco Bay, San Pablo Bay | 303d/401 | 9/8/2004 | 7/1/2006 | 11/1/2007 | 12/1/2009 |
| D | 0438U | CC | 580 | 6.1 | 7.8 | Seismic Retrofit - Phase 3 | San Francisco Bay | DSA | 12/11/1997 | 5/19/1999 | 9/1/2000 | 1/15/2006 |
| C | 0060A | CC | 680 | 23.9 | 25.5 | Modification Of Approaches | S. Mococo Drain, Carquinez Strait, Suisun Bay | DSA | 10/1/1997 | 7/1/2006 | | 4/1/2009 |
| D | 12820 | CC | 680 | 13.7 | 14.9 | Planting And Irrigation | Las Trampas Creek, | | 8/1/1999 | 3/29/2000 | | 7/1/2005 |

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Regional Work Plans

TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|--|---|---------------|-----------|------------|-------------------------|------------------------------|
| | | | | | | | Walnut Creek | | | | | |
| D | 22855 | CC | 680 | 2.9 | 4.3 | Construct Auxiliary Lanes North-Bound And Southbound | San Ramon Creek | DSA | 2/15/2003 | 3/1/2005 | 9/1/2004 | 11/1/2007 |
| D | 2285U | CC | 680 | 15.6 | 24.3 | Widen Existing Highway For Hov | Contra Costa Canal, Walnut Creek, Grayson Creek, Pacheco Slough, Carquinez Strait | | 4/6/2000 | 6/6/2002 | | 12/21/2005 |
| B | 22910 | CC | 680 | 20.2 | 22.2 | Modify Interchange | Grayson Creek and its tributaries. | DSA, 401 | 6/1/2005 | 10/1/2010 | | 12/1/2013 |
| D | 0T043 | MRN | 101 | 24.2 | 0 | Off Site Mitigation Wetlands | Petaluma River, San Antonio Creek | | 8/29/2000 | 11/30/2003 | | 12/31/2005 |
| D | 22614 | MRN | 101 | 11.2 | 12.8 | Reversible Hov Lane | Irwin Creek, San Rafael Creek | DSA, 303d/401 | 8/31/2000 | 12/31/2003 | 5/1/2004 | 5/1/2006 |
| B | 22617 | MRN | 101 | 7.9 | 12.8 | Replacement | Corte | 303d | 8/1/2005 | 5/1/2006 | | 11/1/2010 |

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Regional Work Plans

TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|---------|-------|----------------|--------------|---|---|---------------|-----------|----------|-------------------------|------------------------------|
| | | | | | | Highway Planting And Mitigation | Madera Creek, San Rafael Bay | | | | | |
| D | 28500 | MRN | 101 | 25.2 | 25.6 | Construct Overcrossing | None | DSA | | | 2/1/2005 | 8/6/2006 |
| D | 04152 | MRN | 580 | 0 | 1.9 | Complete Deck Overlay, Deck Joint Reconstruction And Girder Span | San Francisco Bay, San Rafael Bay | 303d/401 | 6/30/2004 | 2/1/2005 | | 10/1/2008 |
| B | 26400 | MRN/SON | 101 | 0 | 7.7 | Widen 4-Lane Expwy To 6-Lane Frwy, Including I/C & Frontage Rd & HOV. | Novato Cr., Rush Cr., San Antonio Cr., Petaluma River, Lynch Cr., and E. Washington Cr. | DSA, 303d/401 | 7/1/2007 | | | |
| B | 26410 | NAP | 12 | 0.1 | 3.3 | Widen 2-Lane Conv Hwy To 4-Lane Expwy | Sheehy Creek, Fagan Creek | DSA, 401 | 2/1/2006 | 7/1/2008 | 8/1/2009 | 1/1/2012 |
| B | 0A170 | NAP | 29 | R7.8 | R9.4 | Modify Interchange And Relocate Stanly Lane | Stanly Creek and Wetland area East of NB 29 | DSA | | | 8/1/2012 | |

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Regional Work Plans

TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|--|--|-----------|-----------|-----------|-------------------------|------------------------------|
| C | 12063 | NAP | 29 | 11.6 | 13.5 | Replacement Highway Planting | Napa River, Napa Creek, Browns Valley Creek, Craig Creek | 303d | 8/30/2004 | 6/1/2006 | | 12/1/2010 |
| B | 28120 | NAP | 29 | 5.3 | 6.9 | Construct Southbound Flyover From Rte 221 To Rte 29/12 | Soskol Creek | DSA, 401 | 7/1/2006 | 2/1/2009 | 9/1/2008 | 12/1/2011 |
| B | 28790 | NAP | 29 | 4.2 | 5.5 | Intersection Improvements | North Slough, Sheehy Creek, Fagan Creek, Suscol Creek | DSA | 2/1/2006 | 7/1/2008 | | 1/1/2012 |
| B | 44420 | NAP | 121 | 0.3 | 2 | Curve Improvements And Shoulder Widening | Huichica Creek, Cameros Creek | DSA, 401 | 7/1/2005 | 11/1/2006 | | 9/1/2008 |
| D | 12478 | SCL | 0 | 00 | 00 | Construct New Maintenance Station | NA | DSA | 7/29/1999 | 5/25/2002 | | 3/1/2005 |
| C | 0A130 | SCL | 85 | R22 | R23.6 | Restore Planting & Upgrade Irrigation | Stevens Creek | DSA, 303d | 4/1/2005 | 1/1/2006 | | 8/1/2010 |

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|--|--|-----------|-----------|------------|-------------------------|------------------------------|
| D | 0A160 | SCL | 85 | 0 | 18.7 | Roadway Protective Betterments | Parkway Lakes, Coyote Creek, Canoas Creek, Guadalupe River, Ross Creek, Los Gatos Creek, San Tomas Aquinas Creek, Sobey Creek, Wildcat Creek, Saratoga Creek, Calabazas Creek, Stevens Creek | DSA, 303d | 6/30/2003 | 12/20/2004 | 6/1/2005 | 7/1/2008 |
| D | 0A230 | SCL | 85 | R22 | R22.3 | Remove Gore Area Exit Guide Signs And Replace With New Advance Guide | Stevens Creek | | 1/1/2005 | 4/1/2005 | | 6/1/2007 |
| C | 0A480 | SCL | 85 | R17.8 | R19.6 | Upgrade Existing | Coyote | DSA, 303d | | | 7/1/2005 | |

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|---|----------------------------------|---------------|------------|------------|-------------------------|------------------------------|
| | | | | | | Median Barrier | Creek & Silver Creek | | | | | |
| D | 16593 | SCL | 85 | 18.7 | 20 | Highway Planting Restoration | Stevens Creek | DSA, 303d | 10/15/2003 | 9/29/2004 | 2/15/2005 | 4/1/2009 |
| D | 16594 | SCL | 85 | R20 | R22 | Highway Planting Restoration | Stevens Creek | DSA, 303d | 10/15/2003 | 9/29/2004 | | 4/1/2009 |
| D | 43830 | SCL | 85 | 0.1 | 0.9 | Construct Hov Direct Connectors & One Connector | Coyote Creek | DSA | 1/15/2002 | 11/8/2001 | 8/1/2002 | 12/1/2005 |
| D | 4383A | SCL | 85 | 0 | 0.9 | Highway Planting | Coyote Creek | DSA, 303d | | | 2/22/2005 | |
| B | 0A272 | SCL | 87 | 6.9 | 9.1 | Highway Planting | Los Gatos Creek, Guadalupe River | 303d | 8/1/2007 | 5/1/2008 | | 11/1/2012 |
| D | 43961 | SCL | 87 | 4.9 | 6.3 | Widen Freeway From 4 Lanes To 6 Lanes | Guadalupe river | DSA, 303d | | | 5/1/2004 | |
| D | 4396U | SCL | 87 | 0 | 5.1 | Widen Roadway And Bridge Repair | Canoas Creek, Guadalupe River | DSA, 303d/401 | 12/3/2003 | 3/22/2004 | 9/1/2004 | 12/28/2007 |
| D | 4874C | SCL | 87 | 8 | 9 | Freeway, Structures And Interchange | Los Gatos Creek, Guadalupe River | DSA | 5/20/1994 | 12/12/2001 | | 7/1/2005 |
| D | 4874V | SCL | 87 | 6.5 | 8.9 | Planting And Irrigation | Guadalupe River | DSA | 10/12/1999 | 2/17/2000 | 11/15/2000 | 2/1/2006 |

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|--|--|----------|-----------|-----------|-------------------------|------------------------------|
| D | 24691 | SCL | 101 | R35.8 | R52.2 | Construct Maintenance Vehicle | Silver Creek, Miguelita Creek, Coyote Creek, Guadalupe River, San Tomas Aquinas Creek, Saratoga Creek, Calabazas Creek, Stevens Creek, Permanente Creek, Adobe Creek, Barron Creek, Matadero Creek, San Francisquito Creek | DSA | 11/1/2000 | 4/15/2003 | 9/1/2003 | 5/1/2005 |
| D | 48760 | SCL | 101 | 39.3 | 41 | Construct Auxiliary Lane Collector Rd & Modify Interchange | Coyote Creek, Guadalupe River, San | 303d | | | | 7/1/2005 |

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|---|---|----------|-----------|-----------|-------------------------|------------------------------|
| | | | | | | | Tomas Aquinas Creek | | | | | |
| B | 4876A | SCL | 101 | 39.3 | 41 | Landscaping Work | Coyote Creek, Guadalupe River, San Tomas Aquinas Creek | 303d | 8/1/2007 | 5/1/2008 | | 11/1/2012 |
| D | 1A140 | SCL | 130 | 0.7 | 0.8 | Replace Existing Bridge, # 37-019 | Silver Creek | DSA | | | 3/1/2005 | 12/1/2006 |
| B | 43864 | SCL | 237 | 8.2 | 9.5 | New Highway Planting | Coyote Creek | 303d | 1/1/2008 | 11/1/2008 | | 6/1/2013 |
| D | 43970 | SCL | 237 | 8.5 | 9.5 | Highway Planting | Lower Penetencia Creek | DSA | 5/16/2001 | 5/15/2002 | 10/1/2008 | 2/1/2006 |
| C | 27052 | SCL | 280 | R0 | R20.6 | Upgrade Metal Beam Median Barrier To Concrete Barrier | Coyote Creek, Guadalupe River, Los Gatos Creek, San Tomas Aquinas Creek, Saratoga Creek, Calabazas Creek, | 303d | 8/10/2004 | 4/1/2006 | | 8/1/2007 |

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Regional Work Plans

TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|--|---|----------|-----------|----------|-------------------------|------------------------------|
| | | | | | | | Stevens Creek, Permanente Creek, Hale Creek, Adobe Creek, Deer Creek, Matadero Creek, Los Trancos Creek, San Francisquito Creek | | | | | |
| C | 27201 | SCL | 280 | R2.2 | R5.1 | Rehabilitate Roadway | Guadalupe River, Los Gatos Creek | 303d | 9/12/2001 | 7/1/2005 | | 7/1/2007 |
| B | 13071 | SCL | 680 | M1.4 | M2.3 | Soundwall (Both Sides) | Silver Creek, Miguelita Creek | | 6/1/2007 | 7/1/2008 | | 10/1/2010 |
| D | 27051 | SCL | 680 | M0 | M7.6 | Upgrd Metal Beam Barrier To Concrete Barrier | Silver Creek, Upper Penitencia Creek, Berryessa Creek, Piedmont | DSA | 8/10/2004 | 4/1/2005 | | 8/1/2006 |

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|------------------------------------|--|-----------|-----------|-----------|-------------------------|------------------------------|
| | | | | | | | Creek, Arroyo De La Coches, Tularcitos Creek | | | | | |
| B | 13493 | SCL | 880 | 0 | 0.3 | Soundwall (Both Sides) | Los Gatos Creek | DSA, 303d | 6/1/2007 | 7/1/2008 | | 10/1/2010 |
| C | 25720 | SCL | 880 | 6.5 | 6.9 | Modify Interchange | Possibly: Guadalupe river, Coyote creek | DSA, 303d | | | 7/1/2006 | |
| D | 26200 | SCL | 880 | 2.4 | 3.2 | Reconstruct I-880/Coleman Ave I/C | Storm drains discharge to Gualdelupe River. | DSA, 303d | 1/21/2004 | 7/30/2003 | 10/17/2003 | 12/1/2007 |
| D | 28552 | SCL | 880 | 9.9 | 10.5 | Bridge Widening And Reconstruction | Scott Creek and Penitencia Creek | DSA | 3/29/2000 | 2/14/2001 | 6/1/2001 | 5/1/2007 |
| D | 01209 | SF | 80 | 7.8 | 8.9 | Existing East Span BBR Demolition | S.F. Bay Central | DSA | 7/11/2001 | 2/1/2009 | | 6/14/2015 |
| D | 0120R | SF | 80 | 7.8 | 8.2 | Construct South Detour | S.F. Bay Central | DSA, 303d | 7/11/2001 | 3/17/2003 | 11/17/2003 | 12/1/2007 |
| C | 0435F | SF | 80 | 5.6 | 5.9 | Seismic Retrofit And Construction | San Francisco Bay | 303d | 9/12/2002 | 6/15/2005 | | 5/15/2007 |

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|--|--------------------------------|---------------|------------|-----------|-------------------------|------------------------------|
| D | 0435V | SF | 80 | 4.9 | 5.9 | Seismic Retrofit | San Francisco Bay | | 11/1/2000 | 12/5/2001 | | 3/31/2009 |
| B | 16370 | SF | 101 | 8.3 | 9.4 | Reconst And Widen Exist Doyle Drive | None | DSA, 401 | 10/1/2005 | 3/1/2007 | | 3/1/2013 |
| D | 29100 | SF | 101 | 4.7 | 5.1 | Widen Central Freeway | San Francisco Bay | DSA, 303d | 11/20/2000 | 5/5/2003 | 3/1/2004 | 4/1/2006 |
| D | 1123C | SM | 1 | 38 | 38.6 | Retaining Wall And Embankment | Pacific Ocean, San Pedro Creek | DSA, 303d/401 | 6/28/2002 | 9/29/2004 | 3/1/2005 | 5/15/2006 |
| C | 1123E | SM | 1 | 38 | 40.1 | Construction Of Tunnel, Bridge And Approach Road | Pacific Ocean, San Pedro Creek | 303d/401 | 6/28/2002 | 4/12/2005 | | 12/4/2009 |
| C | 1123F | SM | 1 | 38 | 38.6 | Construction Of Operation Maintenance Center Building | Pacific Ocean | 303d | 6/28/2002 | 8/8/2005 | 2/20/2006 | 3/5/2007 |
| D | 1123G | SM | 1 | 36.5 | 37.8 | Mitigation At Charthouse Restaurant And Daffodil Canyon | Pacific Ocean | 401 | 6/28/2002 | 12/1/2004 | 7/15/2005 | 12/01/2010 |
| C | 1123H | SM | 1 | 38 | 40.1 | Mitigation At Disposal Site, N & S Portals, S Rock Cut & Pond Repair | Pacific Ocean, San Pedro Creek | 303d | 6/28/2002 | 4/1/2009 | 7/15/2009 | 6/15/2015 |

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Regional Work Plans

TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|--|---|------------------|------------|------------|-------------------------|------------------------------|
| C | 1123J | SM | 1 | 38 | 40.1 | Mitigation At N Pond Rehabilitation & Supplemental Water System, Sham- | Pacific Ocean, San Pedro Creek | 303d | 6/28/2002 | 4/3/2006 | 10/1/2008 | 6/1/2012 |
| D | 1123K | SM | 1 | 39.6 | 40.1 | Bridge Construction | Pacific Ocean, San Pedro Creek | DSA, 303d | 6/28/2002 | 11/17/2004 | 9/15/2005 | 9/15/2007 |
| C | 1123M | SM | 1 | 38 | 41 | (Tunnel Contract) Construct Roadway And Tunnels For Devil's Slide | Pacific Ocean, San Pedro Creek | DSA, 303d | 6/28/2002 | 6/30/2005 | 4/15/2006 | 4/15/2009 |
| C | 25460 | SM | 1 | 42 | 43.2 | Widen For Operational Improvements | Calera Creek, Rockaway Beach at Pacific Ocean | DSA, 303d | | | 6/1/2006 | |
| C | 27082 | SM | 1 | R45.4 | R48.6 | Upgrade Metal Beam Barrier To Concrete Barrier | Pacific Ocean | 303d | 11/24/2003 | 4/1/2006 | 1/1/2007 | 4/1/2009 |
| D | 01512 | SM | 84 | R27.7 | R28.2 | Mitigation Planting And Irrigation | | DSA | 6/23/1999 | 12/26/2002 | | 8/1/2007 |
| C | 13199 | SM | 92 | 5 | 7.3 | Slow Vehicle Lane | Crystal Springs Reservoir, | DSA, 303d/401/HR | 9/30/2003 | 10/1/2007 | 11/15/2007 | 7/1/2012 |

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|--|--|---------------|-----------|------------|-------------------------|------------------------------|
| | | | | | | | San Mateo Creek | | | | | |
| D | 1A020 | SM | 92 | R13.4 | R13.4 | Required Mitigation Planting | South San Francisco Bay | DSA, 303d/401 | 7/9/1999 | 12/30/2004 | 6/1/2005 | 7/1/2009 |
| C | 25430 | SM | 92 | 0.4 | 3.3 | Eliminate Sharp Curves, Widen Shoulders For Operational & Safety | Pilarcitos Creek. | DSA, 401 | 7/1/2004 | 8/1/2005 | | 10/1/2008 |
| B | 23536 | SM | 101 | 5.1 | 6 | Reconstruction Of The 101/84 (Woodside Road) Interchange In | San Francisco Bay, Redwood Creek | DSA, 303d | 9/1/2005 | 5/1/2007 | 1/1/2008 | 7/1/2010 |
| D | 23572 | SM | 101 | 9.6 | 11.9 | Widen Highway | Laurel Creek | DSA | 7/9/1999 | 6/8/2000 | 10/26/2000 | 1/1/2006 |
| D | 2357A | SM | 101 | 3.6 | 11.9 | Widen Existing Highway | San Francisco Bay | DSA | 7/9/1999 | 5/24/2002 | 12/16/2002 | 4/1/2006 |
| D | 25490 | SM | 101 | 22.6 | 23.8 | Construct On And Off Ramp (Phase 3) | SF Bay, Lower | DSA, 303d | | | 10/15/2003 | |
| D | 25680 | SM | 101 | 9.4 | 9.8 | Modify Interchange | Belmont Slough, Wetlands, Flood Plains | DSA | 1/18/2002 | 6/15/2003 | 10/1/2003 | 9/1/2005 |

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|--|---|----------|------------|-----------|-------------------------|------------------------------|
| D | 26420 | SM | 101 | 13.5 | 17.9 | Aux Lanes And Safety Improvement | Easton Creek, Sanches Creek, Mills Creek, Burlingame Recreation Lagoon, and Wetlands. | DSA, 401 | 10/30/2004 | 3/1/2005 | 7/1/2004 | 2/1/2008 |
| B | 0C960 | SM | 280 | 10.8 | 26.7 | Replace Failed Pcc Slabs | Polhemus Creek, San Mateo Creek, Sanchez Creek, San Bruno Creek | 303d | | 2/1/2007 | 7/1/2007 | 12/1/2008 |
| C | 27081 | SM | 280 | R0 | R18.5 | Upgrade Metal Beam Barrier To Concrete Barrier | Los Trancos Creek, San Francisquito Creek, Dry Creek, West Union Creek, Upper and Lower Crystal Springs | DSA | 9/13/2001 | 11/1/2005 | 11/1/2006 | 11/1/2008 |

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|----------------------------------|---|----------|-----------|-----------|-------------------------|------------------------------|
| | | | | | | | Reservoir | | | | | |
| C | 0A040 | SOL | 12 | 1.2 | 2.8 | Construct Truck Climbing Lane | Jameson Canyon Creek | DSA, 401 | 11/1/2004 | 1/1/2006 | 9/1/2006 | 1/1/2008 |
| C | 0T090 | SOL | 12 | 7.9 | 14.7 | Roadway Rehabilitation | Union Creek, Denverton Creek | DSA, 401 | 12/1/2004 | 3/1/2006 | 6/1/2006 | 12/1/2010 |
| C | 0T101 | SOL | 12 | R14.7 | R20.6 | Pavement Rehabilitation | Union Creek, Denverton Creek | DSA, 401 | 12/1/2004 | 3/1/2006 | 6/1/2006 | 12/1/2010 |
| D | 0T141 | SOL | 37 | R8 | R9.3 | Construct Four Lane Freeway | Austin Creek; White Slough; North Slough; South Slough | DSA | 6/25/1998 | 4/12/2001 | 1/1/2002 | 2/1/2006 |
| C | 0T145 | SOL | 37 | 7.2 | 10.5 | Highway Planting And Landscaping | Napa River, Mare Island Strait, White Slough, Lake Chabot | 303d | 6/25/1998 | 2/1/2008 | | 12/1/2012 |

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|--|---|-----------|------------|-----------|-------------------------|------------------------------|
| D | OT14C | SOL | 37 | 7.2 | 7.2 | Planting And Irrigation | Napa River, Mare Island Strait | | 6/25/1998 | 1/11/2002 | | 7/1/2006 |
| C | OT14F | SOL | 37 | 7.2 | 10.5 | Required Mitigation Planting | Napa River, Mare Island Strait, White Slough, Lake Chabot | 303d | 6/25/1998 | 11/1/2005 | | 6/1/2007 |
| C | 28470 | SOL | 37 | R7.1 | R7.4 | Interchange Improvements | Napa River | DSA, 303d | | | 4/5/2005 | 12/8/2006 |
| B | 0A520 | SOL | 80 | R12 | R15.8 | Construct Arterial Parallel To I-80 I-80/I-680/SR-12 Interchange Imprv | Dan Wilson and Suisun Creeks | DSA, 401 | 6/1/2005 | 6/1/2007 | 3/1/2007 | 4/1/2010 |
| B | 0A530 | SOL | 80 | R12 | R15.8 | I-80/I-680/SR-12 I/C Improvements, Widen Exist Freeway, Construct New | Denverton Creek | DSA, 401 | 4/1/2007 | 4/1/2010 | | 4/1/2014 |
| D | OT160 | SOL | 80 | 12.8 | 14.2 | Recnst 80/680 Connectors & Aux Lns For Route 80 | Suisun Creek; Dan Wilson Creek | DSA | 11/20/2000 | 5/5/2003 | 3/1/2004 | 4/1/2006 |
| D | OT162 | SOL | 80 | 12.8 | 16.2 | Create Wetland And Riparian Mitigation Site | Dan Wilson Creek | DSA, 401 | | | 6/1/2004 | |
| C | OT163 | SOL | 80 | 12.8 | 13.9 | Highway Planting | Green Valley | DSA, 401 | 3/29/2002 | 7/1/2007 | | 4/1/2012 |

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|---|--|----------|-----------|-----------|-------------------------|------------------------------|
| | | | | | | | Creek, Dan Wilson Creek, Suisun Creek | | | | | |
| D | OT164 | SOL | 80 | 12.8 | 16.2 | Roadway Excavation And Concrete | Green Valley Creek, Dan Wilson Creek, Suisun Creek, Ledge wood Creek | | 3/29/2002 | 12/3/2003 | | 7/1/2008 |
| D | OT16U | SOL | 80 | 13 | 16 | Widen Existing Highway | Green Valley Creek, Dan Wilson Creek, Suisun Creek, Ledge wood Creek | | 3/29/2002 | 3/17/2003 | | 12/1/2005 |
| C | OT240 | SOL | 80 | 3.9 | 8.1 | Rehabilitate Roadway, Ramp, Barrier And Safety Improvements | | DSA | 10/1/2001 | 10/1/2006 | 10/1/2003 | 7/1/2009 |
| C | 24090 | SOL | 80 | 8 | 12.9 | Pavement Rehabilitation | American Canyon Creek, | | 9/14/2001 | 5/1/2006 | | 2/1/2008 |

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|--|--|-----------|-----------|-----------|-------------------------|------------------------------|
| | | | | | | | Green Valley Creek | | | | | |
| D | 01308 | SOL | 680 | 1.5 | 0 | Construct Maintenance Facility | Sulphur Springs Creek | DSA | | 4/11/2000 | | 7/1/2005 |
| D | 25871 | SOL | 680 | 1.8 | 13.1 | Restoration & Widening Of Shoulder | Suisun Bay, Goodyear Slough, Cordelia Slough, Green Valley Creek | DSA, 303d | 11/1/2003 | 5/4/2004 | 1/5/2005 | 1/1/2007 |
| D | 0T042 | SON | 37 | 6 | 0 | Construct View Area | Tolay Creek, Sonoma Creek, San Pablo Bay | | 4/17/1998 | 1/16/2003 | 5/1/2003 | 1/25/2007 |
| D | 13124 | SON | 116 | R24.2 | R25.4 | Widen Existing Roadway | None | DSA | 7/31/1995 | 8/15/2002 | | 4/1/2005 |
| B | 28380 | SON | 116 | 41.8 | 44.7 | Improve Vertical And Horizontal Curves And Widen Roadway | Champlin Creek, Rodger Creek | DSA, 401 | 8/1/2005 | 4/1/2006 | 1/1/2007 | 10/1/2009 |
| C | 29520 | SON | 121 | 7.9 | 8.4 | Widen Route 121 And Signalize I/S Of State Highway 121 And Eighth St | Schell Creek | DSA | | | 2/1/2006 | 8/1/2007 |

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|-----------------|-------|--------|-------|----------------|--------------|--|--|----------|-----------|-----------|-------------------------|------------------------------|
| C | 29520 | SON | 121 | 7.9 | 8.4 | Widen Route 121 And Signalize I/S Of State Highway 121 And Eighth St | Schell Creek | DSA | | | 2/1/2006 | 8/1/2007 |
| C | 44430 | SOL | 80 | 16.9 | 44.5 | Upgrade Existing Median Barrier | Ledgewood Creek, Putah South Canal, Soda Springs Creek, Laurel Creek, Lagoon Lake, Alamo Creek, Ulati Creek, Pinetree Creek, Horse Creek, Gibson Canyon Creek, Sweeny Creek, McCune Creek, | DSA | 8/14/2003 | 7/28/2004 | 12/1/2005 | 6/1/2006 |

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/ CONSTRUCTION SCHEDULE RWQCB - 1

| SWMP Category** | EA | County | Route | Begin Postmile | End Postmile | Description | Receiving Water Bodies | Criteria | PA/ED | PS&E | Construction Start Date | Construction Completion Date |
|--------------------|----|--------|-------|-------------------|-----------------|-------------|--|----------|-------|------|----------------------------|------------------------------------|
| | | | | | | | Dickson Creek, South Fork Putah Creek, Putah Creek | | | | | |

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TABLE 5-1 LEGEND

*** Criteria**

| | | |
|-------|---|---|
| DSA | = | Disturbed Soil Area is greater than 5 acres. |
| 303d | = | 303 (d) listed water body within project limits and affected by project |
| 401 | = | 401 Certification/Waiver required |
| SEP | = | Supplemental Environmental Project |
| Retro | = | Storm Water Retrofit Project (SWMP 4.4.2) |
| HR | = | Project limits within High Risk Area |
| RB | = | RWQCB designated project as a potential threat to water quality |

**** SWMP Category is defined in SWMP Section 4.4.1, Table 4-3,**

- (A) Beginning of Project Development Process prior to approval of the PSR
- (B) PSR approved but Environmental Documents are not final
- (C) Environmental Documents Final
- (D) Environmental Documents are final, design complete and project in the construction phase of project delivery
- (ND) SWMP category not defined. Treatment BMPs have been considered and implemented where appropriate for these projects

Note: All projects that do not require a SWPPP will require a WPCP.

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TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

| County | Route | PM | Description | Water Bodies Affected | Criteria | Start Date | Completion Date |
|--|-------|-------|---------------------------------------|-----------------------|----------|-------------|-----------------|
| Significant Road Maintenance Activities (1) | | | | | | | |
| MRN | 1 | 12.79 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 12.81 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 12.89 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 12.98 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 13.05 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 13.12 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 13.15 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 13.20 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 13.27 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 13.32 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |

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TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

| County | Route | PM | Description | Water Bodies Affected | Criteria | Start Date | Completion Date |
|--------|-------|-------|---------------------------------------|-----------------------|----------|-------------|-----------------|
| MRN | 1 | 13.35 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 13.45 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 13.49 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 13.54 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 13.63 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 13.69 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 13.79 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 13.82 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 16.95 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 1 | 17.01 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 401 | Summer 2005 | Fall 2005 |
| MRN | 2 | 16.66 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 402 | Summer 2005 | Fall 2005 |

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Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

| County | Route | PM | Description | Water Bodies Affected | Criteria | Start Date | Completion Date |
|--------|-------|-------|---------------------------------------|-----------------------|----------|-------------|-----------------|
| MRN | 3 | 16.72 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 403 | Summer 2005 | Fall 2005 |
| MRN | 4 | 16.74 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 404 | Summer 2005 | Fall 2005 |
| MRN | 5 | 16.76 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 405 | Summer 2005 | Fall 2005 |
| MRN | 6 | 16.80 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 406 | Summer 2005 | Fall 2005 |
| MRN | 7 | 16.82 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 407 | Summer 2005 | Fall 2005 |
| MRN | 8 | 16.85 | Roadway Culverts along Bolinas Lagoon | Bolinas Lagoon | 408 | Summer 2005 | Fall 2005 |
| NAP | 29 | 22.32 | Remove Gravel | | 401 | Spring 2005 | Fall 2005 |
| NAP | 29 | 19.5 | Repair Culvert | | 401 | Spring 2005 | Fall 2005 |
| NAP | 29 | 25.36 | Remove Gravel | | 401 | Spring 2005 | Fall 2005 |
| NAP | 29 | 35.7 | Remove Gravel | | 401 | Spring 2005 | Fall 2005 |
| SCL | 101 | 39.58 | Cleanout | | 401 | Spring 2005 | Fall 2005 |
| SCL | 101 | 39.59 | Cleanout | | 401 | Spring 2005 | Fall 2005 |
| SCL | 101 | 40.3 | Cleanout | | 401 | Spring 2005 | Fall 2005 |
| SCL | 101 | 40.55 | Cleanout | | 401 | Spring 2005 | Fall 2005 |
| SCL | 101 | 40.81 | Cleanout | | 401 | Spring 2005 | Fall 2005 |
| SCL | 237 | 2.05 | Cleanout | | 401 | Spring 2005 | Fall 2005 |
| SCL | 237 | 2.29 | Cleanout | | 401 | Spring 2005 | Fall 2005 |

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TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

| County | Route | PM | Description | Water Bodies Affected | Criteria | Start Date | Completion Date |
|--------|-------|-------|--------------------------|-----------------------|----------|-------------|-----------------|
| SM | 1 | 4.32 | Veg. Silt removal | Whitehouse Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 5.73 | Veg. Silt removal | Gassos Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 20 | Veg. Silt removal | Pacific Ocean | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 24.45 | Veg. Silt removal | Purissima Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 27.04 | Veg. Silt removal | Pacific Ocean | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 29.69 | Veg. Silt removal | Pacific Ocean | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 30.29 | Veg. Silt removal | Freedmans Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 30.82 | Veg. Silt removal | Pacific Ocean | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 30.97 | Veg. Silt removal | Pacific Ocean | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 31.31 | Veg. Silt removal | Arroyo Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 31.65 | Veg. Silt removal | | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 33.04 | Veg. Silt removal | Desmison Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 33.32 | Veg. Silt removal | Desmison Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 34.75 | Veg. Removal | San Francisito Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 35.15 | Veg. Silt removal | | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 35.29 | Veg. Silt removal | Pacific Ocean | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 35.89 | Veg. Silt removal | Pacific Ocean | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 36.69 | Veg. Silt removal | Pacific Ocean | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 36.88 | Veg. Silt removal | Pacific Ocean | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 37.09 | Veg. Silt removal | Martini Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 40.7 | Remove silt & vegetation | | 401 | Spring 2005 | Fall 2005 |

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Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

| County | Route | PM | Description | Water Bodies Affected | Criteria | Start Date | Completion Date |
|--------|-------|-----------|--------------------------|-----------------------|----------|-------------|-----------------|
| SM | 1 | 41.4 | Remove silt & vegetation | | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 10.4-10.7 | Veg. Silt removal | | 401 | Spring 2005 | Fall 2005 |
| SM | 1 | 32.09 | Drift weed removal | | 401 | Spring 2005 | Fall 2005 |
| SM | 84 | 1.39 | Veg. Silt removal | San Gregorio Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 84 | 2.1 | Veg. Silt removal | San Gregorio Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 84 | 2.89 | Veg. Silt removal | San Gregorio Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 84 | 4.6 | Veg. Silt removal | San Gregorio Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 84 | 5.6 | Veg. Silt removal | San Gregorio Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 84 | 5.9 | Veg. Silt removal | San Gregorio Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 84 | 6.02 | Veg. Silt removal | San Gregorio Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 84 | 6.18 | Veg. Silt removal | San Gregorio Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 84 | 7.36 | Veg. Silt removal | San Gregorio Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 84 | 7.55 | Veg. Silt removal | San Gregorio Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 84 | 8 | Veg. Silt removal | San Gregorio Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 92 | 1.4 | Veg. Silt removal | Pilarcitos Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 92 | 1.8 | Veg. Silt removal | Pilarcitos Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 92 | 2.42 | Veg. Silt removal | Pilarcitos Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 92 | 2.9 | Veg. Silt removal | Pilarcitos Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 92 | 3.3 | Veg. Silt removal | Pilarcitos Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 92 | 3.65 | Veg. Silt removal | Pilarcitos Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 92 | 3.71 | Veg. Silt removal | Pilarcitos Creek | 401 | Spring 2005 | Fall 2005 |

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Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

| County | Route | PM | Description | Water Bodies Affected | Criteria | Start Date | Completion Date |
|--------|-------|-------|------------------------|-----------------------|----------|-------------|-----------------|
| SM | 92 | 3.8 | Veg. Silt removal | Pilarcitos Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 92 | 4.36 | Veg. Silt removal | Pilarcitos Creek | 401 | Spring 2005 | Fall 2005 |
| SM | 101 | 17.9 | Veg-removal | | 401 | Spring 2005 | Fall 2005 |
| SM | 101 | 8.4 | Clean tullies | | 401 | Spring 2005 | Fall 2005 |
| SM | 101 | 22.7 | Trees, tullies removal | | 401 | Spring 2005 | Fall 2005 |
| SM | 101 | 26.1 | Silt removal | | 401 | Spring 2005 | Fall 2005 |
| SON | 101 | 4.77 | Clean vegetation | | 401 | Spring 2005 | Fall 2005 |
| SON | 101 | 31.03 | Remove vegetation/tree | | 401 | Summer 2005 | Fall 2005 |
| SON | 101 | 51.10 | Remove sediments | | 401 | Summer 2005 | Fall 2005 |
| SON | 101 | 0.00 | Dredge San Antonio | | 401 | Summer 2005 | Fall 2005 |
| SON | 101 | 0.52 | Excavate outfall | | 401 | Summer 2005 | Fall 2005 |
| SON | 101 | 1.35 | Excavate outfall | | 401 | Summer 2005 | Fall 2005 |
| SON | 101 | 7.45 | Remove vegetation | | 401 | Summer 2005 | Fall 2005 |
| SON | 101 | 7.65 | Remove vegetation | | 401 | Summer 2005 | Fall 2005 |
| SON | 101 | 12.00 | Remove vegetation | | 401 | Summer 2005 | Fall 2005 |
| SON | 121 | 0.51 | Remove silt | | 401 | Summer 2005 | Fall 2005 |

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Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

| County | Route | PM | Description | Water Bodies Affected | Criteria | Start Date | Completion Date |
|--|-------|----|-------------|-----------------------|----------|------------|-----------------|
| Maintenance Facility and Activity Inspections | | | | | | | |
| The District Maintenance Storm Water Coordinator will schedule 25% of the Maintenance Facilities within District 4 for annual inspection. These inspections will be used to ensure that BMPs are consistent with those described in each Facility Pollution Prevention Plan (FPPP). Also, the inspections will be used to evaluate the effectiveness of the BMPs and to recommend any needed changes to the BMPs or the FPPP, which are to be identified in the RWP for next year. Activity inspections will be scheduled on a regular basis as described in the SWMP. | | | | | | | |
| Maintenance Facility BMP Improvements | | | | | | | |
| Maintenance Station storm water compliance will be reviewed with the Supervisors on an on going basis. Modification of the drainage systems in the Half Moon Bay and Calistoga maintenance stations are planned to prevent erosion and sediment build up. | | | | | | | |
| Maintenance BMP Actions/Modifications | | | | | | | |
| Over half of the original identified temporary waste storage locations are to be eliminated. Review new and approved BMP's as they become available and implement when appropriate. Review existing BMP's and modify where necessary. | | | | | | | |
| Vegetation Management and Vegetated Slope Management | | | | | | | |
| The District's Vegetation Control Plan (VCP) for FY 2005/2006 is under development. The goal of the District's 05-06 VCP is to minimize the discharge of chemicals to receiving waters by reducing chemical use for vegetation control. The district VCPs are under development at this time. They include the following: <ul style="list-style-type: none"> • Type of chemical to be applied • Applications locations, widths, total acres applied, frequency, amount totals • Reason for application | | | | | | | |

TABLE 5-2 LEGEND

- (1) Significant road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and Department staff.
- (2) Criteria:
 - DSA = Disturbed Soil Area is greater than 5 acres.
 - 303d = 303 (d) listed water body within project limits and affected by project
 - 401 = 401 Certification/Waiver required
 - SEP = Supplemental Environmental Project
 - Retro = Storm Water Retrofit Project (SWMP 4.4.2)
 - HR = Project limits within High Risk Area
 - RB = RWQCB designated project as a potential threat to water quality

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

| Monitoring Activities | |
|---|--|
| Monitoring activities will be conducted in accordance with the statewide program described in the Storm Water Monitoring Plan. The sites identified for monitoring in District 4 are as follows: | |
| Location | 3-Year Action Plan Supporting Study |
| Alameda County, Route 580 W | Highway Runoff Characterization Study |
| Contra Costa County, Route 680 N | Highway Runoff Characterization Study |
| Solano County, Route 680 S | Highway Runoff Characterization Study |
| Solano County, Route 80, Lemon Street North Park and Ride | Park and Ride Lot Characterization Study |
| Contra Costa County, Route 80, Willow Ave. East Park and Ride | Park and Ride Lot Characterization Study |
| Alameda County, San Leandro Maintenance Yard | Maintenance Station Characterization Study |
| Alameda County, Walnut Creek East Maintenance Station | Maintenance Station Characterization Study |
| Construction Compliance Monitoring Program | |
| Construction activities are inspected through the Construction Compliance Monitoring Program, and through the Construction Services Branch- Office of Water Quality. A summary of the results is provided in the annual report. | |
| The Construction Storm Water Coordinator's and or designated staff will review 100% of the submitted SWPPP documents. | |
| The Construction Storm Water Coordinator and or designated staff will inspect 100% of all projects that are required to have a SWPPP. | |
| Training and Public Outreach | |
| Storm water staff intends to provide updated training on storm water processes for design staff. Similar events will be planned for outreach to the transportation authorities, other outside agencies, and consultants, which commonly plan and design projects for construction within the Department right-of-way. | |
| The Division of Construction intends to repeat the introductory Storm Water Training for staff that need "refresher" training and any new staff. Training courses that specifically addresses responsibilities of Resident Engineers and inspectors are offered throughout the year. | |

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

| |
|---|
| The class for Resident Engineers will be mandatory for those that did not attend the previous year and optional to those that did attend the previous training. All training will be made available to staff at the Transportation Authorities that have construction contracts within the State right-of-way. Information regarding training classes is also available for contractors to fulfill the 24 hour training requirement for SWPPP prepares and Contractor's on-site "Water Pollution Control Manager", |
| <p>The Division of Maintenance intends to provide "Storm Water Pollution Prevention" training to all maintenance employees. The training program is executed through the following four venues:</p> <ul style="list-style-type: none"> • Standardized Training Modules given at the Supervisors/Superintendents Annual Meeting and forwarded to crew personnel • BMP tailgate meetings with crews every 10 working days • Facility Inspections to verify compliance – review with crew and supervisors • Operational BMP inspections to verify compliance - review with crew and supervisors <p>The District Maintenance Web Site has these Training Modules available as well as a general informational site that is updated quarterly.</p> |
| The District will work to develop a Storm Water Pollution Prevention Public Outreach Campaign. |
| Municipal Coordination |
| The District Storm Water Coordinator will meet with the other permitted municipalities at a minimum of one time during the reporting period. The attendance of the Coordinator or associated staff at county organized meetings (i.e. Alameda Countywide Clean Water Program) where the permittees are represented will constitute fulfillment of this goal. The Coordinator will bring to the attention the municipalities any illicit discharges or connections that have been discovered within the Department right-of-way that are associated with a municipality's jurisdiction. This may also be accomplished by sending written correspondence to the municipality. The Coordinator will also discuss possible opportunities to participate in public outreach programs that are sponsored by the municipalities. |
| The District will continue to attend Total Maximum Daily Load (TMDL) meetings and workshops as needed to gain information relative to the Department and coordinate as necessary on TMDLs where the Department has been identified as a stakeholder. |
| The District will attend meetings and workshops pertaining to Areas of Special Biological Significance (ASBS) where the Department has identified discharges for ASBS sites within the District. |